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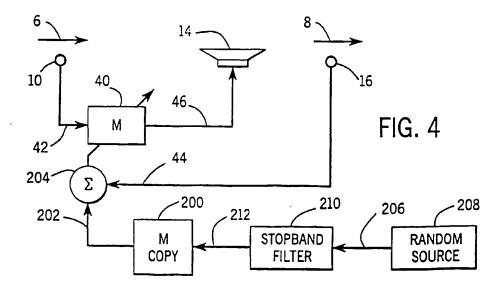
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## (54) Active adaptive control system with spectral leak

(57) An active adaptive control system introduces a control signal from an output transducer (14) to combine with the system input signal (6) and yield a system output signal (8). An adaptive filter model (40) has an output (46) supplying a correction signal to the output transducer to introduce the control signal. The model has a first error input (44, 232, 248) driven by an error signal from an error transducer (16) to drive the correction signal.

nal toward a value matching the system input signal to modify and/or cancel same. The model has a second error input (202, 224, 240, 268, 280) selectively driven by a spectral leak signal (212) to drive the correction signal away from such matching value by driving the correction signal towards zero, to selectively constrain performance of the model in response to a given condition of a given parameter.





## **EUROPEAN SEARCH REPORT**

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	Citation of document with in	DERED TO BE RELEVAN	Relevant	CLASSIFICATION OF THE
Extegory	of relevant pas	zstez	to claim	APPLICATION (Int.Cl.6)
4	WO 93 15501 A (ACTIV TECH) 5 August 1993 * page 12, line 9 -	/E NOISE & VIBRATION	1	H03H21/00 G10K11/178
).A	US 4 677 676 A (ERII 1987	(SSON LARRY J) 30 June - column 17, line 62;	1,10	TECHNICAL FIELDS SEARCHED (Int.Cl.6) G10K H03H
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	Place of search	Date of completion of the search		Tuesday.
THE HAGUE		28 February 1997	D/L	PINTA BALLE, L
X : parti Y : parti docu	ATEGORY OF CITED DOCUMENT cularly relevant if taken alone cularly relevant if combined with anoth ment of the same category sological background	S T: theory or principle E: earlier patent door after the filing do	o underlying the ament, but publi- te the application r other reasons	Invention

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